

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number  
**WO 2005/075190 A1**

(51) International Patent Classification<sup>7</sup>: **B32B 7/10, 7/04**

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:  
PCT/EP2005/050392

(22) International Filing Date: 31 January 2005 (31.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(30) Priority Data:  
04002353.3 3 February 2004 (03.02.2004) EP

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(71) Applicant (for all designated States except US): EMS-CHEMIE AG [CH/CH]; Reichenauerstrasse, CH-7013 Domat/Ems (CH).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(72) Inventor; and

(75) Inventor/Applicant (for US only): BUEHLER, Friedrich, Severin [DE/CH]; Schützenweg 14, CH-7430 Thusis (CH).

(74) Agent: BECKER KURIG STRAUS; Bavariastrasse 7, 80336 München (DE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

WO 2005/075190 A1

(54) Title: MATERIALS COMPOSITES OF A MOULDED ARTICLE OF TRANSPARENT OR TRANSLUCENT DYEABLE PLASTICS MOULDING COMPOUNDS

(57) Abstract: The present invention relates to materials composites of a moulded article of at least one transparent or translucent dyeable plastics moulding compound which moulded article is bonded to at least one transparent or translucent surface layer and/or to decorative films, functional films or coats or rubbers or other plastics, wherein the plastics moulding compound used for the manufacture of the moulded article, the surface layer or the other plastics contains in an amount of 0.01 to 5.0 % by weight, preferably 0.01 to 2.0 % by weight, each related to the total weight of the moulding compound, at least one lubricant selected from the group consisting of sorbitan esters, sebacic acid esters, dodecanedioic acid esters, docosanoic acid esters, glycerine, glycol, diethylene glycol, stearoyl amide, stearyl stearate, ethylene bisstearoyl amide, octane pyrrolidone, and from the group consisting of non-polar paraffin oils and of tetracosanes, and wherein a permanent adhesion to the other plastics layers and/or sheets or coats or rubbers or other plastics is achieved.